



completeseq2
SEQUENCE LISTING

<110> Lee, Jong Y.
<120> PURIFIED HUMAN ERYTHROPOIETIN RECEPTOR PROTEIN FRAGMENT AND
ANTIBODIES DERIVED THEREFROM

<130> 106.001US2

<140> US 09/016,159
<141> 1998-01-30

<150> US 08/876,227
<151> 1997-06-16

<160> 7

<170> PatentIn version 3.3

<210> 1
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<212> DNA
<213> Artificial

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<223> BamH1 linker at 5' end followed by sequence for amino acids 25
through 29 of full length EpoR protein. Forward primer for SEQ
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<211> 22
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<212> DNA
<213> Homo sapiens

<300>
<301> Smith, D.B. et al.
<302> Single-step purification of polypeptides expressed in Escherichia
coli as fusions with glutathione-S-transferase
<303> Gene
<304> 67
<306> 31-40
<307> 1998

<300>
<301> Smith, D.B. et al.

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<302> Single-step purification of polypeptides expressed in Escherichia
coli as fusions with glutathione-S-transferase
<303> Genes and Development
<304> 67
<306> 31-40
<307> 1998

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<300>
<301> Jones, S.S. et al.
<302> Human Erythropoietin Receptor: Cloning, expression, and
biological characterization
<303> Blood
<304> 76
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<307> 1990-07-01

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| ctgtgccctg agctgccccc taccccaccc cacctaaagt acctgtacct tgtggtatct | 1380 |
| gactctggca tctcaactga ctacagctca ggggactccc agggagccca agggggctta | 1440 |
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| ccccccagct atgtggcttg ctcttag | 1527 |

<210> 5
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 <213> Homo sapiens

<300>
 <301> Jones, S.S. et al.
 <302> Human Erythropoietin Receptor: Cloning, expression, and
 biological characterization
 <303> Blood
 <304> 76
 <305> 1
 <306> 31-35
 <307> 1990-07-01

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Leu Leu Leu Ala Gly Ala Ala Trp Ala Pro Pro Pro Asn Leu Pro Asp
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Pro Lys Phe Glu Ser Lys Ala Ala Leu Leu Ala Ala Arg Gly Pro Glu
 35 40 45

Glu Leu Leu Cys Phe Thr Glu Arg Leu Glu Asp Leu Val Cys Phe Trp
 50 55 60

Glu Glu Ala Ala Ser Ala Gly Val Gly Pro Gly Asn Tyr Ser Phe Ser
 65 70 75 80

Tyr Gln Leu Glu Asp Glu Pro Trp Lys Leu Cys Arg Leu His Gln Ala
 85 90 95

Pro Thr Ala Arg Gly Ala Val Arg Phe Trp Cys Ser Leu Pro Thr Ala
 100 105 110

Asp Thr Ser Ser Phe Val Pro Leu Glu Leu Arg Val Thr Ala Ala Ser
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|---|-----|-----|
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| 130 | 135 | 140 |
| Leu Asp Ala Pro Val Gly Leu Val Ala Arg Leu Ala Asp Glu Ser Gly | | |
| 145 | 150 | 155 |
| His Val Val Leu Arg Trp Leu Pro Pro Pro Glu Thr Pro Met Thr Ser | | |
| 165 | 170 | 175 |
| His Ile Arg Tyr Glu Val Asp Val Ser Ala Gly Asn Gly Ala Gly Ser | | |
| 180 | 185 | 190 |
| Val Gln Arg Val Glu Ile Leu Glu Gly Arg Thr Glu Cys Val Leu Ser | | |
| 195 | 200 | 205 |
| Asn Leu Arg Gly Arg Thr Arg Tyr Thr Phe Ala Val Arg Ala Arg Met | | |
| 210 | 215 | 220 |
| Ala Glu Pro Ser Phe Gly Gly Phe Trp Ser Ala Trp Ser Glu Pro Val | | |
| 225 | 230 | 235 |
| Ser Leu Leu Thr Pro Ser Asp Leu Asp Pro Leu Ile Leu Thr Leu Ser | | |
| 245 | 250 | 255 |
| Leu Ile Leu Val Val Ile Leu Val Leu Leu Thr Val Leu Ala Leu Leu | | |
| 260 | 265 | 270 |
| Ser His Arg Arg Ala Leu Lys Gln Lys Ile Trp Pro Gly Ile Pro Ser | | |
| 275 | 280 | 285 |
| Pro Glu Ser Glu Phe Glu Gly Leu Phe Thr Thr His Lys Gly Asn Phe | | |
| 290 | 295 | 300 |
| Gln Leu Trp Leu Tyr Gln Asn Asp Gly Cys Leu Trp Trp Ser Pro Cys | | |
| 305 | 310 | 315 |
| Thr Pro Phe Thr Glu Asp Pro Pro Ala Ser Leu Glu Val Leu Ser Glu | | |
| 325 | 330 | 335 |
| Arg Cys Trp Gly Thr Met Gln Ala Val Glu Pro Gly Thr Asp Asp Glu | | |
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| Gly Pro Leu Leu Glu Pro Val Gly Ser Glu His Ala Gln Asp Thr Tyr | | |
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Leu Pro Gly Pro Gly Gly Ser Val Asp Ile Val Ala Met Asp Glu Gly
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Glu Gly Ala Ser Ala Ala Ser Phe Glu Tyr Thr Ile Leu Asp Pro Ser
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Ser Gln Leu Leu Arg Pro Trp Thr Leu Cys Pro Glu Leu Pro Pro Thr
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Pro Pro His Leu Lys Tyr Leu Tyr Leu Val Val Ser Asp Ser Gly Ile
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<212> DNA

<213> Homo sapiens

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<301> Winkelman, J.C. et al.

<302> The gene for the human erythropoietin receptor: analysis of the
coding sequence and assignment to chromosome 19p

<303> Blood

<304> 76

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<306> 24-30

<307> 1990-07-01

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| gtcattccgg tgctgctgac | cgtgctcg | ctgctctccc accgcccggc tctgaagcag | 840 |
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<301> Winkelmann, J.C. et al.
<302> The Gene for the Human Erythropoietin Receptor: Analysis of the coding sequence and assignment to chromosome 19p
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Met Asp His Leu Gly Ala Ser Leu Trp Pro Gln Val Gly Ser Leu Cys
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Leu Leu Leu Ala Gly Ala Ala Trp Ala Pro Pro Pro Asn Leu Pro Asp
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Pro Lys Phe Glu Ser Lys Ala Ala Leu Leu Ala Ala Arg Gly Pro Glu
35 40 45

Glu Leu Leu Cys Phe Thr Glu Arg Leu Glu Asp Leu Val Cys Phe Trp
50 55 60

Glu Glu Ala Ala Ser Ala Gly Val Gly Pro Gly Asn Tyr Ser Phe Ser
65 70 75 80

Tyr Gln Leu Glu Asp Glu Pro Trp Lys Leu Cys Arg Leu His Gln Ala
85 90 95

Pro Thr Ala Arg Gly Arg Val Arg Phe Trp Cys Ser Leu Pro Thr Ala
100 105 110

Asp Thr Ser Ser Phe Val Pro Leu Glu Leu Arg Val Thr Ala Ala Ser
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Gly Ala Pro Arg Tyr His Arg Val Ile His Ile Asn Glu Val Val Leu
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Leu Asp Ala Pro Val Gly Leu Val Ala Arg Leu Ala Asp Glu Ser Gly
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His Val Val Leu Arg Trp Leu Pro Pro Pro Glu Thr Pro Met Thr Ser
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His Ile Arg Tyr Glu Val Asp Val Ser Ala Gly Asn Arg Pro Gly Ser
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Val Gln Arg Val Glu Ile Leu Glu Gly Arg Thr Glu Cys Val Leu Ser
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Asn Leu Arg Gly Arg Thr Arg Tyr Thr Phe Ala Val Arg Ala Arg Met
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Ala Glu Pro Ser Phe Gly Gly Phe Trp Ser Ala Trp Ser Glu Pro Val
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Leu Ile Leu Val Val Ile Leu Val Leu Leu Thr Val Leu Ala Leu Leu
260 265 270

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Pro Glu Ser Glu Phe Glu Gly Leu Phe Thr Thr His Lys Gly Asn Phe
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Gln Leu Trp Leu Tyr Gln Asn Asp Gly Cys Leu Trp Trp Ser Pro Cys
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Glu Gly Ala Ser Ala Ala Ser Phe Glu Tyr Thr Ile Leu Asp Pro Ser
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Pro Pro His Leu Lys Tyr Leu Tyr Leu Val Val Ser Asp Ser Gly Ile
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Ser Thr Asp Tyr Ser Ser Gly Asp Ser Gln Gly Ala Gln Gly Gly Leu
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